

**JOINT DECLARATION FOR PATENT APPLICATION**

As the below named inventors, we hereby declare that:

Our residence, post office address and citizenship are as stated below next to our names;

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled **PHASE SHIFTING OF NEUROLOGICAL SIGNALS IN A MEDICAL DEVICE SYSTEM**, the specification of which is attached hereto.

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We hereby acknowledge the duty to disclose information, which is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56(a).

Prior Foreign Application(s)

We hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Country	Application No.	Date of Filing (day month year)	Date of Issue (day month year)	Priority Claimed Under 35 USC §119
PCT	PCT/US03/33047	15/10/2003		Yes

Prior United States Provisional Application(s)

We hereby claim priority benefits under Title 35, United States Code, §119(e)(1) of any U.S. provisional application listed below:

U.S. Provisional Application No.	Date of Filing (day month year)	Priority Claimed Under 35 USC §119(e)(1)
60/503,985	19/09/2003	Yes
60/418,527	15/10/2002	Yes

Prior United States Application(s)

We hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Date of Filing (Day, Month, Year)	Status — Patented, Pending, Abandoned

Power of Attorney

And we hereby appoint, both jointly and severally, as our attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith the practitioners at:

Customer Number: 22908

Please address all correspondence and telephone communications to the address and telephone number for this Customer Number.

And we hereby appoint, both jointly and severally, as our attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith the following attorneys and agents, their registration numbers being listed after their names:

John W. Albrecht	Reg. No. 40,481
Stephen W. Bauer	Reg. No. 32,192
E. Lacy Belden	Reg. No. 50,751
Thomas G. Berry	Reg. No. 31,736
Keith M. Campbell	Reg. No. 46,597
Daniel G. Chapik	Reg. No. 43,424
Kenneth J. Collier	Reg. No. 34,982
Daniel W. Latham	Reg. No. 30,401
Paul H. McDowall	Reg. No. 34,873
Michael C. Soldner	Reg. No. 41,455
Girma Wolde-Michael	Reg. No. 36,724
Thomas F. Woods	Reg. No. 36,726

whose correspondence address is MEDTRONIC, INC., 710 Medtronic Parkway, NE, LC 340, Minneapolis, MN 55432-5604.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature Mark G. Frei

Date 2/20/04

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We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

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Date Feb. 17, 2004

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Date 02/17/2004

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